



BORN TO PERFORM



Core Technologies Driving Onkyo's 2011 A/V Receiver Line-Up

The Leading Edge in Power and High-Def A/V Processing

Onkyo's latest A/V receiver line-up expands the possibilities of high-definition media. As always with Onkyo, you're guaranteed a compelling mix of amplification power, precise processing, and intelligent features.



HDMI® Support for 3D Video and Audio Return Channel

All new Onkyo A/V receivers sport HDMI inputs that accept high-def sources such as Blu-ray players, gaming consoles, and cable/satellite tuners.

Naturally, our receivers can also output a pristine HDMI signal to your compatible display. HDMI opens up the added dimensionality of 3D video, as well as an Audio Return Channel that lets you send audio content "upstream" from your HDTV to the receiver.



PC Audio and Internet Radio via Network Function

Onkyo's A/V network receivers link directly to the internet or to your PC or media server via a local network. This brings a huge array of file types and internet radio channels from Last.fm* and vTuner—plus on-demand music streaming from Napster*, Spotify*, and AUPEO!—into the high-fidelity domain of your living room. Onkyo network receivers are compatible with the Windows® 7 platform, which includes the DLNA 1.5-specified "Play To" media-streaming feature.



*Availability of services depends on region.

Meeting THX Benchmarks for Superior Performance and Reliability

To achieve prestigious THX® Ultra2 Plus™ or THX® Select2 Plus™ certification, Onkyo's mid-range and high-end A/V receivers are rigorously tested for sound quality, usability, and interoperability.



Advanced Video Processing by HQV® Vida and 4K Upscaling by Qdeo™ Technology

Using multi-cadence tracking, 12-bit color processing, and four-field motion-adaptive de-interlacing, the HQV Vida VHD1900 processor brings the very best out of SD and HD video sources alike. Meanwhile, Qdeo technology from Marvell offers de-interlacing and upscaling of all video sources to stunning 4K resolution (3840 x 2160). It also erases video noise and artifacts such as jaggies and feathering.



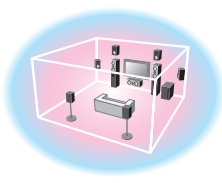
Tailor Multichannel Audio to Your Home with Audyssey and Dolby Technologies

Onkyo A/V receivers use Audyssey's MultEQ® XT32, MultEQ® XT, or 2EQ® to counter distortion in dedicated home cinemas and deliver a natural, well-balanced sound. Audyssey's Dynamic EQ® and Dynamic Volume®, meanwhile, work to optimize frequency response and dynamic range at all volume levels. Dolby® Volume performs a similar role, ensuring soundtrack dynamics are consistent at different volume levels.



DTS Neo:X™ and Audyssey DSX™ for Extra Surround Channels

DTS Neo:X and Audyssey DSX deliver up to 9.1 channels of immersive surround sound through compatible Onkyo receivers. A standard 7.1-channel set-up can be augmented with either two front-wide channels for a more expansive soundstage, or two front-height channels for a new vertical dimension and increased ambience.



Dolby® Pro Logic® IIz for a More Enveloping Sound Field

Pro Logic IIz creates a surround-sound experience from any movie or music source—even a stereo one. Pro Logic IIz also enables you to incorporate two "front height" speakers that carry ambient audio effects for games and movies.



ISF Video Calibration for Accurate Video Reproduction

The TX-NR809 and higher models are equipped with industry-leading ISF (Imaging Science Foundation) video calibration to dramatically improve your home cinema. For each independent video input source, you can make adjustments to the brightness, hue, contrast, saturation, and gamma levels.



Four Game Modes for More Thrilling Action

Onkyo's four gaming audio modes create an in-game experience with more realism and impact. You can select from Rock, Sports, Action, or RPG (Role Playing Game) modes to match your gaming content.

Dedicated to High-Quality Construction

The TX-NR809 and higher models feature an isolated power amplifier block and pre-amplifier, and a copper bus plate for perfect grounding. The TX-NR5009 and PR-SC5509 feature separate aluminum panels for the sides and front to reduce unwanted vibrations caused by internal resonance. The flagship TX-NR5009 and PR-SC5509 forge further ahead with gold-plated A/V inputs and outputs (including HDMI), and customized, gold-plated speaker posts.



Harnessing Power for Audio Performance

Onkyo knows the value of clean power. The high-end TX-NR5009 and PR-SC5509 both employ a massive, highly efficient toroidal transformer; with the former featuring capacitors that operate at up to 22,000 microfarads. Furthermore, the TX-NR5009, PR-SC5509, and TX-NR3009 feature separate transformers for audio and video processing.



VLSC™ (Vector Linear Shaping Circuitry)

Onkyo's VLSC employs a unique digital-to-analog conversion circuit to mitigate the effects of signal noise. Data is converted between discrete sampling points, which are then joined with analog vectors in real-time to produce a smooth output wave form. The result—a noiseless, smooth analog signal based on the digital source.



Three-Stage Inverted Darlington Circuitry

This core Onkyo technology brings greater efficiency to the TX-NR609 and higher models. It incorporates a low-NFB design to remove distortion and enhance the natural character of audio signals. Sensitive to oscillations, this circuitry requires advanced control technology in order to be incorporated into the amplifier.

WRAT (Wide Range Amplifier Technology)

Onkyo's proprietary WRAT comprises three key elements: (1) A low negative-feedback design for cleaner audio across the frequency range; (2) Closed ground-loop circuits to cancel individual circuit noise and keep the ground potential free of distortion; and (3) A high instantaneous-current capability to handle speaker reflex energy and impedance fluctuations.



High-Performance Burr-Brown DACs for All Channels

The high-end TX-NR5009 and PR-SC5509 employ 192 kHz/32-bit Burr-Brown DACs to achieve the best possible dynamic performance and improved tolerance to clock jitter. The other models in our latest A/V receiver line-up use high-performance 24-bit Burr-Brown DACs.



Playback of Different A/V Sources Throughout the Home

Zone 2/3 and Powered Zone 2/3 bring multi-room audio entertainment to your home through dedicated line outs, pre outs, and speaker connections. And with the TX-NR5009, TX-NR3009, and PR-SC5509, you have the added advantage of video in a second room.



Convenient Overlaid Graphical On-Screen Display via HDMI

Changing the settings on an Onkyo A/V receiver is now more seamless than ever. Graphical set-up menus appear overlaid on the video image you're watching, so you can adjust the settings immediately, without having to switch back and forth from a blank screen background.



Note: Type of OSD depends on model.

Universal Port for Simple Connection of Onkyo Peripherals

A proprietary Universal Port located on the rear side of almost all new Onkyo A/V receivers lets you connect the optional UP-A1 Dock for iPod/iPhone or UP-DT1 DAB+ Radio Tuner. Net result: more connectivity, less cable clutter.



Wireless LAN Ready with USB Adapter

The optional UWF-1 Wireless LAN Adapter helps you integrate your music life and remove unwanted cables. Connected to the USB port of a compatible receiver, the UWF-1 brings audio from a wireless router into your main entertainment system. (See also page 13)



Seamless Control of Your Home Entertainment

Onkyo Remote Apps for iPod touch/iPhone and Android

The Onkyo Remote App for iPod touch/iPhone^{*1} and the Onkyo Remote App for Android^{*2} both provide an intuitive way to operate Onkyo network A/V receivers. At your fingertips, you have the ability to control input sources, adjust settings, and enjoy your content more seamlessly than ever. The two Remote Apps are available separately as free downloads, and are compatible with all network-capable Onkyo A/V receivers released in 2011, as well as selected earlier models.

^{*1} Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later.

^{*2} Requires Android OS 2.1 or later.



- Control of Onkyo Receiver via iPod touch/iPhone or Android Phone over Wireless Network
- Wireless Streaming of Music Stored on Portable Device (Android Only)
- General Remote-Control Operations (e.g. Play, Stop, Power On/Off)
- Volume Control Uses Accelerometer (iPod touch/iPhone Only)
- Control of Multi-Zone Audio (Android Only)
- Selectable Input Source, Network Source, and Radio Station
- Adjustable Tone Control and Listening Modes
- Audio and Video Information Displayed

Compatible A/V Receivers/Controllers

- 2011 models^{*1}: TX-NR509, TX-NR509, TX-NR609, TX-NR709, TX-NR809, TX-NR1009, TX-NR3009, TX-NR5009, PR-SC5509, HT-S6405, HT-S9405THX
- 2010 models^{*2}: TX-NR708, TX-NR808, TX-NR1008, TX-NR3008, TX-NR5008, HT-RC270, PR-SC5508
- 2009 models^{*2}: TX-NR807, TX-NR1007, TX-NR3007, TX-NR5007, HT-RC180, PR-SC5507

^{*1} All models may require a firmware update to use the Remote App for Android. ^{*2} iPod touch/iPhone only.



The user-friendly interface of the Remote App for iPod touch/iPhone makes it easy to browse menus, select inputs, and adjust the tone settings. The app even takes advantage of your iPod touch/iPhone's built-in accelerometer to make volume adjustments more intuitive than ever.



Input Selection

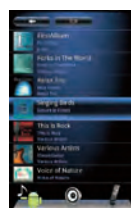


Volume Control



Tone Control and Mode Selection

While including most of the same handy functions as our app for iPod touch/iPhone, Onkyo's Remote App for Android adds several advantages. It not only streams music wirelessly from your Android phone, it also lets you control multiple listening zones in the home.



Network Selection



Music Streaming



Multi-Zone Control

Note: Images and information concerning Remote Apps is correct as of September 2011, but may be subject to change.

TX-NR5009 BLACK SILVER 9.2-Channel Network A/V Receiver



Flagship Receiver Carries the Onkyo Legacy Forward

- 220 W/Ch at 6 Ω , 1 kHz, 1%, 1 Channel Driven, IEC
- THX[®] Ultra2 Plus[™] Certified
- 8 HDMI[®] Inputs (1 Front/7 Rear) and 2 Outputs
- Separate Anti-Vibration Aluminum Panels for Front and Sides
- Massive Toroidal Transformer and Two Separate Transformers for Audio and Video Processing
- Custom-Designed, Large-Size Transistors to Drive High Currents
- Two Customized 22,000 μ F Capacitors for Effective Power Supply
- TI Burr-Brown 192 kHz/32-Bit DACs (PCM1795 x 6) for All Channels
- High-Quality HQV[®] Vida[™] VHD1900 Video Processor and 4K Upscaling by Qdeo[™] Technology
- Supports Onkyo Remote Apps for Control of A/V Receiver via iPod touch/iPhone^{*1} and Android Phone^{*2}
- DSD Direct for Super Audio CD
- Gold-Plated HDMI, A/V, and Speaker Terminals

^{*1} Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later. ^{*2} Requires Android OS 2.1 or later.



TX-NR3009 BLACK SILVER 9.2-Channel Network A/V Receiver



The Cutting Edge of High-End Home Cinema

- 200 W/Ch at 6 Ω , 1 kHz, 1%, 1 Channel Driven, IEC
- THX[®] Ultra2 Plus[™] Certified
- 8 HDMI[®] Inputs (1 Front/7 Rear) and 2 Outputs
- Massive Transformer and Two Separate Transformers for Audio and Video Processing
- TI Burr-Brown 192 kHz/24-Bit DACs (PCM1796 x 6) for All Channels
- VLSC[™] (Vector Linear Shaping Circuitry) for All Channels
- DTS Neo:X[™], Audyssey DSX[™], and Dolby[®] Pro Logic[®] IIz for Expanded Surround Channels
- High-Quality HQV[®] Vida[™] VHD1900 Video Processor and 4K Upscaling by Qdeo[™] Technology
- Supports Onkyo Remote Apps for Control of A/V Receiver via iPod touch/iPhone^{*1} and Android Phone^{*2}
- Audyssey MultEQ[®] XT32 to Correct for Room Acoustics
- Bi-Amping Capability
- Machined Solid Brass, 19 mm-Pitch Audio Inputs (TV/CD and Phono)

^{*1} Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later. ^{*2} Requires Android OS 2.1 or later.



PR-SC5509 BLACK

9.2-Channel Network A/V Controller



Onkyo's High-End Pre-Amp Handles It All

- THX® Ultra2 Plus™ Certified
- 8 HDMI® Inputs (1 Front/7 Rear) and 2 Outputs
- Separate Anti-Vibration Aluminum Panels for Front and Sides
- Massive Toroidal Transformer and Two Separate Transformers for Audio and Video Processing
- TI Burr-Brown 192 kHz/32-Bit DACs (PCM1795 x 6) for All Channels
- High-Quality HQV® Vida™ VHD1900 Video Processor and 4K Upscaling by Qdeo™ Technology
- DTS Neo:X™, Audyssey DSX™, and Dolby® Pro Logic® IIz for Expanded Surround Channels
- Supports Onkyo Remote Apps for Control of A/V Receiver via iPod touch/iPhone®¹ and Android Phone®²
- DSD Direct for Super Audio CD
- Gold-Plated, 9.2-Channel Balanced XLR Pre Outs (with Front Bi-Amping Capability)
- Gold-Plated, 2-Channel Balanced XLR Inputs

*1 Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later. *2 Requires Android OS 2.1 or later.



Microphone for Audyssey

PA-MC5500 BLACK

9-Channel Amplifier



A Dedicated Power Amp with Finesse and Musicality

- 220 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, IEC)
- THX® Ultra2™ Certified
- Push-Pull Amplification Design with Three-Stage Inverted Darlington Circuitry
- Massive Toroidal Transformer
- Two Large, Customized, 22,000 µF Capacitors for Effective Power Supply
- Large, Custom-Designed Power Transistors to Drive High Currents
- Flat, High-Rigidity, Anti-Resonant Chassis
- Bi-Amping Capability*
- Multi-Zone Capability (up to Zone 3)*
- Gold-Plated XLR Inputs
- Gold-Plated, Color-Coded, Banana Plug-Compatible, Transparent Speaker Posts

*Depending on A/V Controller

TX-NR1009 BLACK SILVER

9.2-Channel Network A/V Receiver



For Fully Immersive 9.2-Channel Entertainment

- 180 W/Ch at 6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC
- THX® Select2 Plus™ Certified
- 8 HDMI® Inputs (1 Front/7 Rear) and 2 Outputs
- High-Quality HQV® Vida™ VHD1900 Video Processor and 4K Upscaling by Qdeo™ Technology
- ISF (Imaging Science Foundation) Video Calibration for Optimal Video Performance
- DTS Neo:X™, Audyssey DSX™, and Dolby® Pro Logic® IIz for Expanded Surround Channels
- Supports Onkyo Remote Apps for Control of A/V Receiver via iPod touch/iPhone®¹ and Android Phone®²
- Audyssey MultEQ® XT to Correct for Room Acoustics
- Internet Radio and Music Streaming Connectivity (vTuner, Last.fm®³, Napster®³, Spotify®³)
- Powered Zone 2/3 and Zone 2/3 Pre-Outs for Distributed Audio Playback in Multiple Rooms
- Color-Coded, 7.1 Multichannel Inputs and 9.2 Multichannel Pre-Outs

*1 Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later. *2 Requires Android OS 2.1 or later. *3 Availability of services depends on region.



Microphone for Audyssey

TX-NR809 BLACK SILVER

7.2-Channel Network A/V Receiver



Designed for the Serious Home Cinema Enthusiast

- 180 W/Ch at 6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC
- THX® Select2 Plus™ Certified
- 8 HDMI® Inputs (1 Front/7 Rear) and 2 Outputs
- High-Quality HQV® Vida™ VHD1900 Video Processor and 4K Upscaling by Qdeo™ Technology
- ISF (Imaging Science Foundation) Video Calibration for Optimal Video Performance
- Audyssey DSX™ and Dolby® Pro Logic® IIz for Expanded Surround Channels
- Supports Onkyo Remote Apps for Control of A/V Receiver via iPod touch/iPhone®¹ and Android Phone®²
- Internet Radio and Music Streaming Connectivity (vTuner, Last.fm®³, Napster®³, Spotify®³)
- 2 USB Ports (1 Front/1 Rear)
- Powered Zone 2 and Zone 2/3 Pre-Outs for Distributed Audio Playback in Multiple Room
- RS232 Port, IR Input/Output, and 12V Trigger Outs

*1 Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later. *2 Requires Android OS 2.1 or later. *3 Availability of services depends on region.



Microphone for Audyssey

TX-NR709 BLACK SILVER

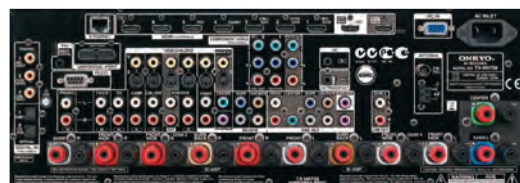
7.2-Channel Network A/V Receiver



Get Connected with a Superb Mid-Range Performer

- 170 W/Ch at 6 Ω , 1 kHz, 1%, 1 Channel Driven, IEC
- THX® Select2 Plus™ Certified
- 8 HDMI® Inputs (1 Front/7 Rear) and 2 Outputs
- HDMI Video Upscaling to 4K with Qdeo™ Technology by Marvell
- Audyssey DSX™ and Dolby® Pro Logic® IIz for Expanded Surround Channels
- Audyssey MultEQ® XT for Room Acoustic Correction
- Supports Onkyo Remote Apps for Control of A/V Receiver via iPod touch/iPhone*1 and Android Phone*2
- Internet Radio and Music Streaming Connectivity (vTuner, Last.fm*3, Napster*3)
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology for All Audio Signals
- Bi-Amping Capability
- Color-Coded, 7.1 Multichannel Inputs and 7.2 Multichannel Pre Outs

*1 Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later.
*2 Requires Android OS 2.1 or later. *3 Availability of services depends on region.



Microphone for Audyssey

TX-NR609 BLACK SILVER

7.2-Channel Network A/V Receiver



A Popular Balance of Performance and Affordability

- 160 W/Ch at 6 Ω , 1 kHz, 1%, 1 Channel Driven, IEC
- THX® Select2 Plus™ Certified
- 6 HDMI® Inputs (1 Front/5 Rear) and 1 Output
- Three-Stage Inverted Darlington Circuitry
- WRAT (Wide Range Amplifier Technology)
- HDMI Video Upscaling to 4K with Qdeo™ Technology by Marvell
- Audyssey DSX™ and Dolby® Pro Logic® IIz for Expanded Surround Channels
- Supports Onkyo Remote Apps for Control of A/V Receiver via iPod touch/iPhone*1 and Android Phone*2
- Internet Radio and Music Streaming Connectivity (vTuner, Last.fm*3, Napster*3)
- Analog RGB Video Input (D-sub, 15 pin) for PC

*1 Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later.
*2 Requires Android OS 2.1 or later. *3 Availability of services depends on region.



Microphone for Audyssey

TX-NR509 BLACK SILVER

5.1-Channel Network A/V Receiver



Affordable Home Cinema Base with Audio Networking

- 130 W/Ch at 6 Ω , 1 kHz, 1%, 1 Channel Driven, IEC
- 4 HDMI® Inputs and 1 Output
- Direct Digital Connection of iPod/iPhone via Front-Panel USB Port
- Supports Onkyo Remote Apps for Control of A/V Receiver via iPod touch/iPhone*1 and Android Phone*2
- Internet Radio and Music Streaming Connectivity (vTuner, Last.fm*3, Napster*3)
- Playback of Audio Files Through Local Network (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, LPCM)
- Compatible with UWF-1 Wireless LAN Adapter (via Front-Panel USB Port)
- Audyssey 2EQ® for Room Acoustic Correction
- Universal Port for Single-Cable Connection of Onkyo Peripheral Devices
- Zone 2 Line-Out for Distributed Audio Playback in Another Room

*1 Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later.
*2 Requires Android OS 2.1 or later. *3 Availability of services depends on region.



Microphone for Audyssey

TX-SR309 BLACK SILVER

5.1-Channel Home Cinema Receiver



Your Entry Point into the World of Surround Sound

- 100 W/Ch at 6 Ω , 1 kHz, 1%, 1 Channel Driven, IEC
- 3 HDMI Inputs and 1 Output
- HDMI® Support for 3D, Audio Return Channel, DeepColor™, x.v.Color™, LipSync, Dolby® TrueHD, DTS-HD Master Audio™, DVD-Audio, Super Audio CD, Multichannel PCM, and CEC
- Direct Digital Connection of iPod/iPhone via Front-Panel USB Port
- Dolby® TrueHD and DTS-HD Master Audio™ Decoding
- TI Burr-Brown 192 kHz/24-Bit DACs for All Channels
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG (Role Playing Game)
- Overlaid On-Screen Display (OSD) via HDMI



BD-SP809 BLACK SILVER

Blu-ray Disc Player



Classy and Versatile Blu-ray Player with Network Capability

- THX® Certified
- Supports Blu-ray 3D Playback
- 2 HDMI® Outputs Support 3D, 1080p, DeepColor™, x.v.Color™, and CEC
- 1080p Upscaling of Standard Video Sources (1080i, 720p, and 576i/p) with Qdeo™ Technology by Marvell
- Precision Clock for Optimal Timing of Digital Signals
- Ethernet Port for BD-Live, Firmware Updates, and Media Streaming via Home Network
- USB Port for Media Content
- Plays AVCHD, DivX HD, MP3, WMA, and JPEG Formats
- Independent Circuit Blocks for Audio, Digital Video, and Analog Video to Reduce Electromagnetic Interference
- Center-Mounted Drive Mechanism for Optimal Weight Balance



BD-SP309 BLACK SILVER

Blu-ray Disc Player



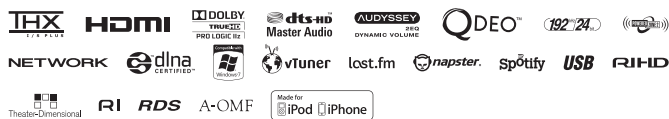
Affordable 3D-Ready Blu-ray Player Adds Home Networking

- Supports Blu-ray 3D Playback
- HDMI® Output Supports 3D, 1080p, DeepColor™, x.v.Color™ (JPEG Only), and CEC
- Dolby® TrueHD and Dolby® Digital Plus Decoding
- Supports DTS-HD Master Audio™ Essential
- 1080p Upscaling of Standard Video Sources (1080i, 720p, and 576i/p)
- 1080/24p Video Output for Full-HD Movies
- Ethernet Port for BD-Live, Firmware Updates, and Media Streaming via Home Network
- 2 USB Ports (Front/Rear) for Media Content
- Plays AVCHD, DivX Plus™ HD (MKV), MP3, and JPEG Formats
- BD-Live Functionality for Interactive Content
- On-Screen Display for Settings and Playback



HT-S9405THX BLACK

5.1-Channel Network A/V Receiver/
Speaker Package



All-Purpose Home Cinema Package with High-Class Speakers

HT-R990 7.1-Channel Network AV Receiver

- 130 W/Ch at 6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC
- THX® I/S Plus™ Certified
- 4 HDMI® Inputs and 1 Output
- HDMI Video Upscaling to 4K with Qdeo™ Technology by Marvell
- Direct Digital Connection of iPod/iPhone via Front-Panel USB Port
- Compatible with UWF-I Wireless LAN Adapter (via Front-Panel USB Port)
- Supports Onkyo Remote Apps for Control of A/V Receiver via iPod touch/iPhone®1 and Android Phone®2
- Internet Radio and Music Streaming Connectivity (vTuner, Last.fm®3, Napster®3, Spotify®3)
- Dolby® Pro Logic® IIz for Expanded Surround Channels
- Universal Port for Single-Cable Connection of Onkyo Peripheral Devices
- WHD: 435 x 173.5 x 328 mm • 9.3 kg

*1 Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later. *2 Requires Android OS 2.1 or later. *3 Availability of services depends on region.



HTP-948 5.1-Channel Home Cinema Speaker System

- SKF-980 2-Way Acoustic Suspension Front Speakers • WHD: 158 x 433 x 199 mm • 5.3 kg
- SKC-980 2-Way Acoustic Suspension Center Speaker • WHD: 433 x 158 x 199 mm • 5.3 kg
- SKR-980 2-Way Acoustic Suspension Surround Speakers • WHD: 200 x 275 x 169 mm • 3.5 kg
- SKW-938 Acoustic Suspension Powered Subwoofer • WHD: 380 x 444 x 429 mm • 15.5 kg

HT-S5405 BLACK SILVER

5.1-Channel Home Cinema Receiver/Speaker Package



Quality and Affordability in One Convenient Package

HT-R548 5.1-Channel Home Cinema Receiver

- 100 W/Ch at 6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC
- HDMI® Support for 3D, Audio Return Channel, DeepColor™, x.v.Color™, LipSync, Dolby® TrueHD, DTS-HD Master Audio™, DVD-Audio, Super Audio CD, Multichannel PCM, and CEC
- 4 HDMI Inputs and 1 Output
- Direct Digital Connection of iPod/iPhone via Front-Panel USB Port
- TI Burr-Brown 192 kHz/24-Bit DACs for All Channels
- PLL Jitter-Cleaning Circuit Technology for S/PDIF Audio
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG
- EX.Bass for Deeper, More Dynamic Bass
- Overlaid On-Screen Display (OSD) via HDMI
- WHD: 435 x 150 x 328 mm • 7.6 kg



HTP-548 5.1-Channel Home Cinema Speaker System

- SKF-548 Full-Range Bass Reflex Front Speakers • WHD: 101 x 161 x 115 mm • 0.8 kg
- SKC-548C Full-Range Acoustic Suspension Center Speaker • WHD: 230 x 103 x 115 mm • 1.3 kg
- SKR-548 Full-Range Bass Reflex Surround Speakers • WHD: 101 x 161 x 115 mm • 0.7 kg
- SKW-538 Bass Reflex Powered Subwoofer • WHD: 211 x 425 x 391 mm • 8.1 kg

HT-S6405 BLACK

5.1-Channel Network A/V Receiver/Speaker Package



Network Versatility Plus New Solid-and-Suave Speakers

TX-NR509 5.1-Channel Network A/V Receiver

(see page 5)

HTP-648 5.1-Channel Home Cinema Speaker System

SKF-648 2-Way Acoustic Suspension Front Speakers

• WHD: 102 x 170 x 105 mm • 1.0 kg

SKC-648 2-Way Acoustic Suspension Center Speaker

• WHD: 277 x 110 x 110 mm • 1.7 kg

SKR-648 Full-Range Acoustic Suspension Surround Speakers

• WHD: 102 x 170 x 105 mm • 0.9 kg

SKW-501E Bass Reflex Powered Subwoofer

• WHD: 230 x 425 x 412 mm • 9.1 kg



HT-BD6415 5.1-Channel Network A/V Receiver/Speaker Package with Blu-ray Player



HT-BD6415 includes HT-S6405 (see above) and BD-SP309 (see page 6).

HT-S3405 BLACK

5.1-Channel Home Cinema Receiver/Speaker Package



The Ideal Introduction to Surround-Sound Entertainment

HT-R390 5.1-Channel Home Cinema Receiver

• 100 W/Ch at 6 Ω , 1 kHz, 1%, 1 Channel Driven, IEC • HDMI® Support for 3D, Audio Return Channel, DeepColor™, x.v.Color™, LipSync, Dolby® TrueHD, DTS-HD Master Audio™, DVD-Audio, Super Audio CD, Multichannel PCM, and CEC • 4 HDMI Inputs and 1 Output • TI Burr-Brown 192 kHz/24-Bit DACs for All Channels • PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology for S/PDIF Audio • Overlaid On-Screen Display (OSD) via HDMI • Universal Port for Onkyo Peripheral Devices • WHD: 435 x 150 x 328 mm • 7.5 kg

HTP-348 5.1-Channel Home Cinema Speaker System

SKF-548 Full-Range Bass Reflex Front Speakers • WHD: 101 x 161 x 115 mm • 0.8 kg

SKC-548 Full-Range Bass Reflex Center Speaker • WHD: 230 x 103 x 115 mm • 0.9 kg

SKR-548 Full-Range Bass Reflex Surround Speakers • WHD: 101 x 161 x 115 mm • 0.7 kg

SKW-348 Bass Reflex Subwoofer • WHD: 211 x 425 x 381 mm • 5.5 kg

HT-BD3415 5.1-Channel Home Cinema Receiver/Speaker Package with Blu-ray Player



HT-BD3415 includes HT-S3405 (see above) and BD-SP309 (see page 6).

HTX-22HDX BLACK

Ultra-Compact HD Home Cinema System



A Simple Way to Add Audio Power

HTX-22HDXPAW 5.1-Channel Amplifier with Built-in Subwoofer

• 25 W/Ch (FL/FR/C/S/L/SR) at 6 Ω , 1 kHz, 1%, 1 Channel Driven, IEC; 50 W (Subwoofer) at 3 Ω , 100 Hz, 1%, 1 Channel Driven, IEC • HDMI® Support for 3D, Audio Return Channel, DeepColor™, x.v.Color™, LipSync, Dolby® TrueHD, DTS-HD Master Audio™, DVD-Audio, Super Audio CD, Multichannel PCM, and CEC • 3 HDMI Inputs and 1 Output • Dolby® TrueHD and DTS-HD Master Audio™ Decoding • VLSC™ (Vector Linear Shaping Circuitry) for Front L/R Channel • Burr-Brown 192 kHz/24-Bit DACs (PCM1690) for all Channels • Jitter-Cleaning Circuit Technology • Overlaid On-Screen Display (OSD) via HDMI • EX.Bass for Deeper, More Dynamic Bass • 4 DSP Modes for Gaming®: Rock, Sports, Action, and RPG • Theater-Dimensional Virtual Surround Function • Music Optimizer™ for Compressed Digital Music Files • RIHD (Remote Interactive over HDMI) for System Control • Compatible with RI (Remote Interactive) Dock for iPod • 16 cm Cone • WHD: 217 x 337 x 310 mm • 9.5 kg

* Available only in 5.1-channel speaker configuration

HTX-22HDXST Full-Range Bass Reflex Speakers

• 8 cm Cone • Max. Input Power: 40 W • Magnetically Shielded • Gloss Finished • WHD: 101 x 161 x 111 mm • 0.8 kg

SKS-22X

Full-Range Bass Reflex Center/Surround Speaker Package

• 8 cm Cone • Max. Input Power: 40 W • Magnetically Shielded • Gloss Finished • WHD: 230 x 102 x 113 mm • 0.9 kg (Center Speaker) • WHD: 101 x 161 x 111 mm • 0.8 kg (Surround Speakers)





(iPhone not included)

Colorful CD Mini-System with USB and iPod/iPhone Playback

CS-245 WHITE BLACK BROWN RED GREEN

CD Hi-Fi Mini System

MP3 USB RDS Made for iPod iPhone

CR-245 CD Receiver

Amplifier/CD Player/USB Features

- 15 W/Ch, 6 Ω, 1 kHz, 2 Channels Driven, IEC
- Digital Amplifier Circuitry
- Plays Audio CD, MP3 CD, CD-R, CD-RW*
- Plays MP3 Format via USB
- Front-Panel USB Port for Flash Memory Devices
- Video Out for iPod/iPhone Video Playback

- Active Bass Control
- Subwoofer Pre Out
- Super Bass Function

*Discs should be properly finalized.

iPod/iPhone Dock Features

- Recharges iPod/iPhone When Connected to AC Power Supply
- Compatible iPod/iPhone Models: iPhone (iPhone 4G, iPhone 3GS, iPhone 3G), iPod touch (1st to 4th Generations), iPod classic (6th Generation), iPod nano (2nd to 6th Generations)

Tuner and Other Features

- FM Tuning with 30 Presets
- RDS (PS/RT)

- Program Timer (Everyday)
- Supports iPod/iPhone Alarm for System Power-on and iPod/iPhone Audio Playback*
- iPod/iPhone Control with Supplied Remote Controller

*Availability of this function depends on iPod/iPhone model. Operation may be affected by some concurrently running Apps.

D-T05 2-Way Bass Reflex Speakers

- 10 cm Cone Woofer
- 2.0 cm Balanced-Dome Tweeter
- Magnetically Shielded
- Stylish Cabinet

CS-245DAB WHITE BLACK

CD Hi-Fi Mini System with Built-In DAB+ Tuner



MP3 USB DAB+ RDS Made for iPod iPhone



CS-1045 SILVER BLACK

CD Hi-Fi Mini System



Bringing Audio Finesse to Smaller Rooms

R-1045 Stereo Receiver

- 70 W/Ch, 4 Ω, 1 kHz, 1 Channels Driven, IEC
- Massive Power Transformer
- VLSC™ (Vector Linear Shaping Circuitry)
- Burr-Brown 192 kHz/24-Bit DACs (PCM1796)
- Direct Digital Connection of iPod/iPhone via USB
- 2 Digital Audio Inputs (1 Optical and 1 Coaxial)
- Subwoofer Pre Out

Compatible iPod/iPhone Models: iPhone (iPhone 3GS, iPhone 3G, and iPhone), iPod touch (1st and 2nd Generations), iPod classic, iPod nano (2nd, 3rd, 4th, and 5th Generations)

C-1045 CD Player

- Plays Audio CD, CD-R, and CD-RW*
- Plays MP3 and WMA Formats
- Wolfson® Stereo DAC (WM8718)

*Discs should be properly finalized.

D-145 2-Way Bass Reflex Speakers

- 12 cm OMF Diaphragm Woofer
- 2.5 cm Soft-Dome Tweeter
- Center-Mounted Equalizer on Woofer
- V-Line Edge and High-Linearity Damper

VLSC 192/24 Made for iPod iPhone **MP3 WMA USB RDS**



CS-V645 SILVER/BLACK BLACK/BLACK SILVER/WHITE

DVD/CD Hi-Fi Mini System



(iPod not included)

Compact A/V System Handles USB, iPod, and More

DR-645 DVD Receiver

- 40 W/Ch, 4 Ω, 1 kHz
- Plays DVD-Video, DVD±R/RW, DVD±R DL, Video CD, Audio CD, CD-R/RW*
- Plays MP3, WMA, JPEG, and DivX® Formats
- Dolby® Digital and DTS 2.0+ Digital Out Decoding
- 1080p Video Upscaling via HDMI® Output
- Front-Panel USB Port for Mass Storage Devices
- Front-Panel Audio Input for Portable Devices
- Component Video and Composite Video Outputs
- Digital Audio Output (Coaxial)
- Subwoofer Pre Out
- iPod Control with Supplied Remote Controller

*Discs should be properly finalized. Compatible iPod Models: iPod touch, iPod classic, iPod nano (2nd, 3rd, 4th, and 5th Generations)

D-045 2-Way Bass Reflex Speakers

- 12 cm OMF Diaphragm Woofer
- 2.5 cm Soft-Dome Tweeter
- V-Line Edge to Remove Unwanted Diaphragm Vibration

HDMI **DOLBY DIGITAL** **DTS** **2.0+ Digital Out** **DIVX** **DVD VIDEO** **MP3** **WMA** **JPEG** **USB** **RDS** Made for iPod

CS-545 SILVER/BLACK BLACK/BLACK SILVER/WHITE

CD Hi-Fi Mini System



(iPhone not included)

Space-Conscious Audio Solution with USB and iPod/iPhone Playback

CR-545 CD Receiver

- 40 W/Ch, 4 Ω, 1 kHz, 10%, 2 Channels Driven
- High-Current Low-Impedance Drive
- Plays Audio CD, CD-R, CD-RW*
- Plays MP3 and WMA Formats
- Front-Panel USB Port for Mass Storage Devices
- Audio Input
- Composite Video Output (Including Video Out for iPod/iPhone)
- Subwoofer Pre Out
- Recharges iPod/iPhone
- Full-Function Remote Control
- iPod/iPhone Control with Supplied Remote Controller

*Discs should be properly finalized. Compatible iPod/iPhone Models: iPhone (iPhone 3GS, iPhone 3G, and iPhone), iPod touch (1st and 2nd Generations), iPod classic, iPod nano (2nd, 3rd, 4th, and 5th Generations)

D-045 2-Way Bass Reflex Speakers

- 12 cm OMF Diaphragm Woofer
- 2.5 cm Soft-Dome Tweeter
- V-Line Edge to Remove Unwanted Diaphragm Vibration

MP3 WMA USB RDS Made for iPod iPhone

PHA-1045 SILVER BLACK

CD Mini Hi-Fi Components

- R-1045 Stereo Receiver
- C-1045 CD Player





(iPhone not included)

Fill Your Room with the Sweet Sound of iPod/iPhone

ABX-100 BLACK

iPod/iPhone Music System

Made for
iPod iPhone

MAIN FEATURES

- 10 W/Ch, 6 Ω, 1 kHz, 1 Channel Driven • iPod/iPhone Audio Connection and Power Recharging • Active Bass Control • Tone Control (Treble/Bass/Super Bass)
- 3.5 mm Analog Audio Input • Sliding Brushed Aluminum Dock Cover • Solid Brushed Aluminum Foot-Base

- Touch-Sensor Buttons • Graphical 128 x 64-Dot LCD Display • 3-Mode Ambient Underside Illumination (Normal/Dim/Off)

SPEAKER AND OTHER FEATURES

- 6 cm Full-Range Bass-Reflex Speakers • Programmable Timers (Once or Every) • Sleep Timer • Snooze Function • Shuffle and Repeat Mode • WHD: 430 x 131 x 143 mm • 2.4 kg

ABX-100 is compatible with iPod touch (1st, 2nd, 3rd, and 4th generation), iPod classic, iPod nano (2nd, 3rd, 4th, 5th, and 6th generation), iPhone 4, iPhone 3GS, iPhone 3G, and iPhone. Updating iPod/iPhone software is advised before using the ABX-100.



Front View



Top View

(iPhone and dock adapter not included)



(iPad not included)

Superb Portable Audio Solution for iPod/iPhone/iPad

SBX-200 BLACK

Dock Music System

Made for
iPod iPhone iPad Bluetooth

MAIN FEATURES

- 20 W/Ch at 6 Ω, 1 kHz, 2 Channels Driven, IEC
- iPod/iPhone/iPad Digital Audio Connection and Power Recharging • Wireless Music Playback via Bluetooth from iPod touch/iPhone/iPad • Digital Amplifier Circuitry to

- Maintain Clean Audio Signals • Super Bass Function • Active Bass Control • 3.5 mm Analog Audio Input • Solid Brushed-Aluminum Handle

SPEAKER AND OTHER FEATURES

- 10.5 cm Full-Range Bass-Reflex Speakers • iPod/iPhone/iPad Auto Selector • WHD: 450 x 176 x 131 mm • 3.5 kg

SBX-200 is compatible with iPod touch (1st, 2nd, 3rd, and 4th generation), iPod classic, iPod nano (2nd, 3rd, 4th, 5th, and 6th generation), iPhone 4, iPhone 3GS, iPhone 3G, iPhone, iPad 2, and iPad. Updating iPod/iPhone/iPad software is advised before using the SBX-200.



Front View with iPad

Front View

(iPad not included)



Reference Hi-Fi Series

Audiophile Hi-Fi Components Deliver True Musicality

DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry)

Frequencies above 100 kHz are susceptible to clock pulse and other sources of digital distortion, resulting in beat interference that affects the character of the original sound. By improving linearity and reducing distortion in the super-high frequency range, Onkyo's new DIDRC technology effectively reduces perceptible noise.

AWRAT (Advanced Wide Range Amplifier Technology)

Onkyo's AWRAT comprises proprietary technologies designed to optimize amplifier performance and support clean and powerful audio signals. The four key elements of AWRAT are a low negative-feedback design, closed ground-loop circuits, high instantaneous-current capability, and a symmetrical twin-monaural construction.

P-3000R SILVER BLACK

Preamplifier



DIDRC **USB** **192 kHz/32-bit** **RI**

High-End Pre-Amp Offers Sublime Audio Performance

- DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • Separate Digital/Analog Circuitry • Separate Massive Transformers for Digital/Analog Circuitry (Toroidal Transformer for Analog Circuitry) • Separate Anti-Vibration Aluminum Panels for Top, Front, and Sides • New Circuit Board Construction to Reduce Vibration • PLL Ultra-Low Jitter Technology • Separate TI Burr-Brown 192 kHz/32-Bit DACs (PCM1795) for L/R Channels • Independent Headphone Amplifier • Discrete Phono Equalizer • USB Device (C-Media CM6631) for 192 kHz/32-Bit HD Audio from PC* • 5 Digital Inputs (Amphenol AES/EBU, 2 Optical, and 2 Coaxial) and 1 Output (Optical) • Separate L/R Bi-Amping-Capable Pre-Outs • Gold-Plated, Machined Solid Brass, 19 mm-Pitch Audio Terminals

*Playback of PC audio requires dedicated software that can be downloaded from an Onkyo website.

C-7000R SILVER BLACK

Compact Disc Player



DIDRC **192 kHz/24-bit** **MP3** **WMA**

Meet Onkyo's Top-Ranked Disc Spinner

- Plays Audio CD, CD-R, CD-RW, MP3 CD, and WMA CD* • DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • Separate Digital/Analog Circuitry • Separate Massive Transformers for Digital and Analog Circuitry (Toroidal Transformer for Analog Circuitry) • Thermally Regulated High-Precision Clock • Silent Disc Mechanism with Solid Die-Cast Aluminum Tray • Separate Anti-Vibration Aluminum Panels for Top, Front, and Sides • New Circuit Board Construction to Reduce Vibration • PLL Ultra Low Jitter Technology • Separate TI Burr-Brown 192 kHz/24-Bit DACs (PCM1792) for L/R Channels • Pure Analog/Digital Mode • 3 Digital Outputs (Amphenol AES/EBU, Optical, and Coaxial) • Wide-Spaced, Gold-Plated, Machined Solid Brass Audio Terminals

*Discs should be properly finalized.

M-5000R SILVER BLACK

Power Amplifier



AWRAT **ADVANCED WIDE RANGE AMPLIFIER TECHNOLOGY** **DIDRC**

Thrill to the Visceral Power of Stereo

- Max. Power: 170 W/Ch (4 Ω , 1 kHz, 1%, 2 Channels Driven, IEC) • AWRAT (Advanced Wide Range Amplifier Technology) • DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • Quad Push-Pull Amplification Design with Three-Stage Inverted Darlington Circuitry • Symmetrical Layout of L/R Channels • Two Massive Toroidal Transformers with Sub Transformer • Four Large 27,000 μ F Capacitors • Separate Anti-Vibration Aluminum Panels for Top, Front, and Sides • New Circuit Board Construction to Reduce Vibration • Balanced XLR Input for Monaural Amplification in BTL Mode • Gold-Plated, Machined Solid Brass RCA Inputs • Gold-Plated Large Speaker Posts

A-9000R SILVER BLACK

Integrated Stereo Amplifier



AWRAT **ADVANCED WIDE RANGE AMPLIFIER TECHNOLOGY** **DIDRC** **USB** **192 kHz/24-bit** **RI**

Elite Integrated Amp Brings Your Music to Life

- 140 W/Ch at 4 Ω , 20 Hz–20 kHz, 0.05%, 2 Channels Driven, IEC • AWRAT (Advanced Wide Range Amplifier Technology) • DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • Separate Anti-Vibration Aluminum Panels for Top, Front, and Sides • New Circuit Board Construction to Reduce Vibration • Symmetrical Layout of L/R Channels • Quad Push-Pull Amplification Design with Three-Stage Inverted Darlington Circuitry • 192 kHz/24-Bit HD Audio Playback via USB (Asynchronous Transfer) • Separate Wolfson® 192 kHz/24-Bit DACs (WM8742 x 2) for L/R Channels • Four Large 18,000 μ F Capacitors • Four Amplifier Modes (Integrated Amp, Power Amp, Pre-Amp, Split Pre-Amp/Power Amp) • 4 Digital Inputs (1 Amphenol AES/EBU, 1 Optical, and 2 Coaxial)



The Direct Path to Pure Audio Enjoyment

A-9070 Integrated Stereo Amplifier **SILVER** **BLACK**



AWRAT 192 kHz/24-Bit DACs RI

Power and Processing in One Sophisticated Device

- 140 W/Ch at 4 Ω , 20 Hz–20 kHz, 0.05%, 2 Channels Driven, IEC • AWRAT (Advanced Wide Range Amplifier Technology) • DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • Parallel Push-Pull Amplification Design with Three-Stage Inverted Darlington Circuitry • 192 kHz/24-Bit HD Audio Playback via Coaxial Inputs • Separate Wolfson® 192 kHz/24-Bit DACs (WM8742 x 2) for L/R Channels • Four Large 15,000 μ F Capacitors • Four Amplifier Modes (Integrated Amp, Power Amp, Pre-Amp, Split Pre-Amp/Power Amp) • Discrete Phono Equalizer (MM/MC) • Independent Headphone Amplifier • 3 Digital Inputs (1 Optical and 2 Coaxial) • Machined, Gold-Plated Audio Terminals • Customized, Gold-Plated, Banana Plug-Compatible Speaker Posts

T-4070 Network Tuner **SILVER** **BLACK**



DIDRC NETWORK 192 kHz/24-Bit DACs dlna CERTIFIED vTuner lost.fm naptier. Spotify AUPEO! USB DAB+ RDS RI Made for iPod iPhone

Versatile New-Wave Network Tuner

- DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • Internet Radio and Music Streaming Connectivity via Ethernet • Direct Digital Connection of iPod/iPhone via Front-Panel USB Port • FM/AM/DAB+ Tuner • WHD: 435 x 100 x 306.7 mm • 5.8 kg

C-7070 Compact Disc Player **SILVER** **BLACK**



DIDRC 192 kHz/24-Bit DACs MP3 WMA USB RI Made for iPod iPhone

A Quality CD Player for the Serious Music Fan

- Plays Audio CD, CD-R, CD-RW, MP3 CD, and WMA CD* • DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • Precision Clock for Optimal Timing of Digital Signals (± 10 ppm) • Separate Wolfson® 192 kHz/24-Bit DACs (WM8742 x 2) for L/R Channels • Silent Disc Mechanism with Solid Die-Cast Aluminum Tray • New Circuit Board Construction to Reduce Vibration • Direct Digital Connection of iPod/iPhone via Front-Panel USB Port • Independent Headphone Amplifier • 2 Digital Outputs (Optical and Coaxial) • Machined, Gold-Plated Audio Terminals

*Discs should be properly finalized.

C-7030 Compact Disc Player **SILVER** **BLACK**



VLSC 192 kHz/24-Bit DACs MP3 WMA RI

Stunning Fidelity from a Stylish and Affordable CD Player

- Plays Audio CD, CD-R, CD-RW, MP3 CD, and WMA CD* • VLSC™ (Vector Linear Shaping Circuitry) for Pulse Noise Reduction • Custom-Designed Massive EI Transformers • Precision Clock (± 10 ppm) • Wolfson® 192 kHz/24-Bit D/A Converter • Independent Headphone Amplifier *Discs should be properly finalized.

TX-8050 Network Stereo Receiver **SILVER** **BLACK**



AWRAT NETWORK dlna CERTIFIED vTuner lost.fm naptier. USB RDS RI Made for iPod iPhone

Pure Stereo Sound with Added Network Functionality

- 130 W/Ch at 6 Ω , 1 kHz, 1%, 1 Channel Driven, IEC • WRAT (Wide Range Amplifier Technology) • Discrete Amplifier Design with Massive EI Transformer • Two Large 8,200 μ F Capacitors • TI Aureus™ DSP Chip (DA830) • Direct Digital Connection of iPod/iPhone via Front-Panel USB Port • Internet Radio and Music Streaming Connectivity via Ethernet • Compatible with UWF-I Wireless LAN Adapter via USB • Universal Port for Single-Cable Connection of Onkyo Peripheral Devices • 4 Digital Audio Inputs (2 Optical and 2 Coaxial) • 4 Composite Video Inputs and 2 Outputs • Zone 2 Pre Outs for Distributed Audio Playback in Another Room • WHD: 435 x 149.5 x 328 mm • 8.8 kg

TX-8030 Stereo Receiver **BLACK** **SILVER**



AWRAT NETWORK RDS RI

Pristine Stereo Amplification with Video Switching

- 130 W/Ch at 6 Ω , 1 kHz, 1%, 1 Channel Driven, IEC • WRAT (Wide Range Amplifier Technology) • Discrete Amplifier Design with Massive EI Transformer • Two Large 8,200 μ F Capacitors • Universal Port for Single-Cable Connection of Onkyo Peripheral Devices • Zone 2 Pre Outs for Distributed Audio Playback in Another Room • Audio L/R and Subwoofer Pre Outs • 4 Composite Video Inputs and 2 Outputs • 40 FM/AM Random Presets • Anti-Vibration Oval Chassis • Gold-Plated Audio and Video Terminals • WHD: 435 x 149.5 x 328 mm • 8.8 kg

A-5VL SILVER BLACK

Integrated Stereo Amplifier



VLSC 192 kHz/24-bit RI

- 80 W/Ch at 4 Ω , 1 kHz, 2 Channels Driven, IEC • VLSC™ (Vector Linear Shaping Circuitry)
- Separate Transformers for L/R Channels • Custom-Designed, Audio-Tuned Reference Capacitors • Burr-Brown (PCM1796) 192 kHz/24-Bit D/A Converters • Low-Impedance Copper Bus Plates for Perfect Ground Potential • Optimum Gain Volume Circuitry • 2 Digital Inputs (Optical and Coaxial) • Machined Solid Brass, 19 mm-Pitch Audio Terminals for High-Grade RCA Audio Cable • Gold-Plated, Banana Plug-Compatible Transparent Speaker Posts
- High-Rigidity, Anti-Resonant Flat Chassis (1.6 mm Thick) • WHD: 435 x 80 x 340 mm • 10.2 kg

A-9377 SILVER BLACK

Integrated Stereo Amplifier



WRAT RI

- 90 W/Ch at 4 Ω , 1 kHz, 2 Channels Driven, IEC • WRAT (Wide Range Amplifier Technology)
- All-Discrete Output Stage Circuitry • Massive Power Transformer • Optimum Gain Volume Circuitry • Precision Motor-Driven Volume Control • 5 Audio Inputs and 1 Output
- Pre Out Terminal • Phono Input • Speaker A/B Drive • Banana Plug-Compatible Speaker Posts
- High-Rigidity, Anti-Resonant Chassis • WHD: 435 x 150 x 348 mm • 8.8 kg

A-9155 SILVER BLACK

Integrated Stereo Amplifier



WRAT RI

- 65 W/Ch, 4 Ω , 1 kHz, 2 Channels Driven, IEC • WRAT (Wide Range Amplifier Technology)
- All Discrete Output Stage Circuitry • Optimum Gain Volume Circuitry • Audiophile Grade Capacitors • Precision Motor-Driven Volume Control • Phono Equalizer • 4 Audio Inputs and 2 Outputs • Phono Input • Speaker A/B Drive • High-Rigidity, Anti-Resonant Chassis
- Aluminum Volume and Selector Knobs • Banana Plug-Compatible Speaker Posts
- WHD: 435 x 121 x 344 mm • 6.8 kg

T-4355 SILVER BLACK

FM/AM Tuner



RDS RI

- FM/AM Auto and Manual Tuning • Auto Presets (20 FM/10 AM) • RDS (PS/RT) • FM Mono Mode • Front Panel Controls (Display, Band, Preset, Memory, FM Mode) • High-Rigidity, Anti-Resonant Chassis • Aluminum Front Panel • Audiophile Grade Capacitor
- WHD: 435 x 81 x 310 mm • 3.2 kg

C-S5VL SILVER BLACK

Super Audio CD/CD Player



VLSC 192 kHz/24-bit MP3 WMA RI

- Plays Super Audio CD, Audio CD, CD-R, CD-RW, MP3 CD, and WMA CD* • VLSC™ (Vector Linear Shaping Circuitry) • High-Grade Wolfson® 192 kHz/24-Bit D/A Converter (WM8742)
- Thermally Regulated Crystal Oscillator and Jitter-Cleaner Device to Stabilize Clock Frequency • 2 Digital Outputs (Optical and Coaxial) • Digital Out On/Off • Machined Solid Brass, 19 mm-Pitch Audio Terminals for High-Grade RCA Audio Cable • Digital Filter Control (CD: 5 Modes, Super Audio CD: 4 Modes and DSD Direct) • High-Rigidity, Anti-Resonant Flat Chassis (1.6 mm Thick) • WHD: 435 x 80 x 318 mm • 4.5 kg

*Discs should be properly finalized.

DX-C390 SILVER BLACK

6-Disc CD Carousel Changer



MP3 6 DISC VLSC VQA 192 kHz/24-bit DIRECT DIGITAL PATH RI

- Plays Audio CDs, MP3-Encoded CDs, CD-R/RWs* • VLSC™ (Vector Linear Shaping Circuitry)
- VQA (Vector Quantizer Audio) Conversion Technology • Change up to 5 Discs During Play
- 192 kHz/24-Bit Audio DAC • Direct Digital Path • 2 Digital Outputs (Optical and Coaxial)
- WHD: 435 x 131 x 432 mm • 6.9 kg

*Discs should be properly finalized.

DX-7355 SILVER BLACK

CD Player



MP3 192 kHz/24-bit VLSC RI

- Plays Audio CDs, MP3-Encoded CDs, CD-R/CD-RWs* • VLSC™ (Vector Linear Shaping Circuitry) • Wolfson® (WM8716) 192 kHz/24-Bit DAC • Massive Power Transformer
- Audiophile-Grade Capacitors • 2 Digital Outputs (Optical and Coaxial) • Quick Navigation for MP3 CD Playback • High-Rigidity, Anti-Resonant Chassis • Brushed Hairline Aluminum Front Panel • WHD: 435 x 81 x 315 mm • 4.4 kg

*Discs should be properly finalized.

TX-8255 BLACK SILVER

Stereo Receiver



WRAT RDS RI

- 90 W/Ch, 4 Ω , 1 kHz, IEC • WRAT (Wide Range Amplifier Technology) • High-Current, Low-Impedance Drive • Discrete Output Stage Circuitry • Massive Power Transformer • 5 Audio Inputs and 2 Outputs • Phono Input • Speaker A/B Drive • IR Input and Output • 40 FM/AM Presets • RDS (PS/PTY/RT/TP) • Banana Plug-Compatible Speaker Posts • Brushed Hairline Aluminum Front Panel • WHD: 435 x 149 x 340 mm • 7.5 kg

A-933 SILVER BLACK

Integrated Stereo Amplifier



VLDigital RI

- WHD: 275 x 103 x 328 mm • 7.5 kg

C-733 SILVER BLACK

CD Player



VLSC 192 kHz/24-bit DIRECT DIGITAL PATH RI

- WHD: 275 x 103 x 304 mm • 4.5 kg

T-433 SILVER BLACK

FM/AM RDS Tuner



RDS RI

- WHD: 275 x 78 x 309 mm • 3.0 kg

SKS-HT648 BLACK

5.1-Channel Home Cinema Speaker System



SKF-648 2-Way Acoustic Suspension Front Speakers

- 8 cm Cone Woofer • 2.5 cm Balanced-Dome Tweeter • Max. Input Power: 130 W • Solid-Style, High-Density Speaker Cabinets • Gloss Finished • Magnetically Shielded • WHD: 102 x 170 x 105 mm • 1.0 kg

SKC-648 2-Way Acoustic Suspension Center Speaker

- 8 cm Cone Woofer x 2 • 2.5 cm Balanced-Dome Tweeter • Max. Input Power: 130 W • Solid-Style, High-Density Speaker Cabinet • Gloss Finished • Magnetically Shielded • WHD: 277 x 110 x 110 mm • 1.7 kg

SKR-648 Full-Range Acoustic Suspension Surround Speakers

- 8 cm Cone • Max. Input Power: 130 W • Solid-Style, High-Density Speaker Cabinets • Gloss Finished • Magnetically Shielded • WHD: 102 x 170 x 105 mm • 0.9 kg

Note: All speakers feature an impedance of 6 Ω color-coded speaker terminals and cable, and wall-mounting capability

SKW-501E Bass Reflex Powered Subwoofer

- 20 cm Cone • Rated Output Power: 80 W (Minimum Continuous Power: 4 Ω , 100 Hz, 1%, IEC) • Down-Firing • Gloss Finished • Output Level Control • WHD: 230 x 425 x 412 mm • 9.1 kg

SKS-HT528 BLACK

5.1-Channel Home Cinema Speaker System



SKF-528 Full-Range Bass Reflex Front Speakers

- 8 cm Cone • Max. Input Power: 120 W • Gloss Finished • Magnetically Shielded • WHD: 101 x 175 x 116 mm • 0.7 kg

SKC-528 Full-Range Bass Reflex Center Speaker

- 8 cm Cone • Max. Input Power: 120 W • Gloss Finished • Magnetically Shielded • WHD: 273 x 101 x 106 mm • 1.0 kg

SKR-528 Full-Range Bass Reflex Surround Speakers

- 8 cm Cone • Max. Input Power: 120 W • Gloss Finished • WHD: 101 x 175 x 116 mm • 0.7 kg

Note: All speakers feature an impedance of 6 Ω color-coded speaker terminals and cable, and wall-mounting capability.

SKW-501 Bass Reflex Powered Subwoofer

- 20 cm Cone • Down-Firing • Max. Output Power: 150 W • Auto Standby/On Circuitry • WHD: 230 x 425 x 412 mm • 9.1 kg

D-TK10 2-Way Bass Reflex Speakers



- 10 cm A-OMF Monocoque Diaphragm Woofer • 3 cm Ring-Drive Tweeter • Supported by a Large Voice Coil • Takamine Acoustic Voicing Technology Construction • Aero Acoustic Drive for Powerful and Natural Sound • Network Circuit with High-Quality Parts • Gold-Plated, Banana Plug-Compatible Speaker Posts • Frequency Response: 50 Hz–100 kHz • Impedance: 4 Ω • Max. Input Power: 200 W • WHD: 133 x 276 x 220 mm • 2.9 kg

A-OMF
MONOCOQUE

SKW-208 Bass Reflex Powered Subwoofer BLACK SILVER



- Rated Output Power: 120 W Minimum Continuous Power (4 Ω , 100 Hz, Maximum 1% THD) • 25 cm Cone • Down-Firing • Adjustable Crossover Frequency (50 Hz–200 Hz) • Phase Switch (0° or 180°) • Output-Level Control • Line Input • Frequency Response: 25 Hz–200 Hz • Gloss-Finished Front Panel • WHD: 275 x 507 x 411 mm • 11.6 kg

DS-A4 BLACK

Remote Interactive Dock for the iPod/iPhone



(iPhone not included)

Enhancing iPod/iPhone Functionality with Onkyo Audio Expertise

- Compatible with iPhone 4 • Superior Quality for Digital Music Files • Video Playback and Photo Slideshows via Component Video Output • Track Lists and Song Information Displayed via On-Screen Display • Control and Extra Functionality Through Dedicated Remote Control • Recharges iPod/iPhone When Connected to AC Power Supply • WHD: 110 x 54 x 112 mm • 300 g

Note: 1G, 2G, 3G iPod models are not supported. Updating iPod/iPhone software is advised before using the DS-A4. The information on compatible iPod/iPhone models is current as of July, 2011.

Made for
iPod iPhone

RI

UWF-1 BLACK

Wireless LAN Adapter



PC and Internet Audio Delivered Wirelessly to Your Main System

- Provides Wireless Link to Network-Capable Onkyo A/V Receivers and Stereo Receivers • Connects Directly to Receiver via USB • Direct Internet Radio Playback via Wireless Router • 2.4 GHz Wireless Transmission Frequency • WHD: 29.8 x 8.4 x 17.0 mm • 3.4 g

Note: The UWF-1 is compatible only with Onkyo receivers and does not connect directly with PCs. For more information, please visit Onkyo website (www.onkyo.com)

USB 11n b/g

UP-A1 BLACK

Dock for the iPod/iPhone



(iPhone not included)

- Easy Connection via Universal Port • Audio and Video Playback • Recharges iPod/iPhone • Control via Compatible A/V Receiver's Remote Controller • WHD: 83 x 33 x 74 mm • 200 g

UP-A1 is compatible with iPhone, iPhone 3G, iPod touch (1G, 2G), iPod classic, iPod with click wheel (4G), iPod with video (5G), iPod photo, iPod mini, and iPod nano (1G to 4G).

Note: 1G, 2G, 3G iPod models are not supported. Updating iPod/iPhone software is advised before using the UP-A1. The information on compatible iPod/iPhone models is current as of July, 2011.

Made for
iPod iPhone



UP-DT1 BLACK

DAB+ Radio Tuner



- Superior Digital Sound Quality • Compatible with DAB and DAB+ Over Band-III and L-Band • Easy Connection via Universal Port • Power Supply via Universal Port • 40 Preset Stations • Control via Remote Controller of Compatible A/V Receiver • Other Accessories Using Universal Port Connectable via Rear-Side Port • WHD: 140 x 32.5 x 116.5 mm • 300 g

DAB+
Digital Audio Broadcasting

ND-S1 SILVER BLACK

Digital Media Transport



(iPhone not included)

- Easily Links iPod touch (1G and 2G), iPod classic, iPod (5G*), iPod nano (1G*, 2G, 3G, and 4G) • High-Precision Circuit Clock (± 10 ppm) for Precise Digital Processing • Works with Onkyo A/V Systems with Audio/Video Terminals • iPod Video Playback • iTunes Sync/Unsync Switch • Audio Selector (iPod/PC) • Digital Outputs (Optical/Coaxial) • USB Port for PC • Composite Video Output • WHD: 205 x 34 x 175 mm • 530 g

*Available in Extended mode only.
Made for
iPod USB RI



SPECIFICATIONS

A/V RECEIVERS	TX-NR5009	PR-SC5509	TX-NR3009	TX-NR1009	TX-NR809	TX-NR709	TX-NR609	TX-NR509	TX-SR309
AMPLIFIER SECTION									
Power Output All Channels (except for subwoofers)	220 W/Ch (6 Ω, 1 kHz, 1%, 1 channel driven, IEC)	—	200 W/Ch (6 Ω, 1 kHz, 1%, 1 channel driven, IEC)	180 W/Ch (6 Ω, 1 kHz, 1%, 1 channel driven, IEC)	180 W/Ch (6 Ω, 1 kHz, 1%, 1 channel driven, IEC)	170 W/Ch (6 Ω, 1 kHz, 1%, 1 channel driven, IEC)	160 W/Ch (6 Ω, 1 kHz, 1%, 1 channel driven, IEC)	130 W/Ch (6 Ω, 1 kHz, 1%, 1 channel driven, IEC)	100 W/Ch (6 Ω, 1 kHz, 1%, 1 channel driven, IEC)
Dynamic Power	400 W (3 Ω, Front) 300 W (4 Ω, Front) 180 W (8 Ω, Front)	—	320 W (3 Ω, Front) 270 W (4 Ω, Front) 160 W (8 Ω, Front)	300 W (3 Ω, Front) 250 W (4 Ω, Front) 150 W (8 Ω, Front)	300 W (3 Ω, Front) 250 W (4 Ω, Front) 150 W (8 Ω, Front)	250 W (3 Ω, Front) 220 W (4 Ω, Front) 130 W (8 Ω, Front)	240 W (3 Ω, Front) 210 W (4 Ω, Front) 120 W (8 Ω, Front)	180 W (3 Ω, Front) 160 W (4 Ω, Front) 100 W (8 Ω, Front)	160 W (3 Ω, Front) 125 W (4 Ω, Front) 85 W (8 Ω, Front)
THD+N (Total Harmonic Distortion + Noise)	0.05% (20 Hz– 20 kHz, Half power)	0.05% (20 Hz– 20 kHz, Half power)	0.05% (20 Hz– 20 kHz, Half power)	0.08% (20 Hz– 20 kHz, Half power)	0.08% (20 Hz– 20 kHz, Half power)	0.08% (20 Hz– 20 kHz, Half power)	0.08% (20 Hz– 20 kHz, Half power)	0.08% (20 Hz– 20 kHz, Half power)	0.08% (20 Hz– 20 kHz, Half power)
Damping Factor	60 (Front, 1 kHz, 8 Ω)	—	60 (Front, 1 kHz, 8 Ω)	60 (Front, 1 kHz, 8 Ω)	60 (Front, 1 kHz, 8 Ω)	60 (Front, 1 kHz, 8 Ω)	60 (Front, 1 kHz, 8 Ω)	60 (Front, 1 kHz, 8 Ω)	60 (Front, 1 kHz, 8 Ω)
Input Sensitivity and Impedance	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)
Rated RCA Output Level and Impedance	1 V/470 Ω (Pre out)	1 V/470 Ω (Pre out)	1 V/470 Ω (Pre out)	200 mV/470 Ω (Pre out)	200 mV/470 Ω (Pre out)	200 mV/470 Ω (Pre out)	200 mV/2.2 kΩ (Rec out)	200 mV/2.2 kΩ (Rec out)	200 mV/2.2 kΩ (Rec out)
Maximum RCA Output Level and Impedance	5.5 V/470 Ω (Pre out)	5.5 V/470 Ω (Pre out)	5.5 V/470 Ω (Pre out)	4.6 V/470 Ω (Pre out)	4.6 V/470 Ω (Pre out)	4.6 V/470 Ω (Pre out)	2.0 V/2.2 kΩ (Rec out)	2.0 V/2.2 kΩ (Rec out)	2.0 V/2.2 kΩ (Rec out)
Phono Overload	70 mV (MM, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%)	—	—	—
Frequency Response	5 Hz–100 kHz/ +1 dB, -3 dB (Direct mode)	5 Hz–100 kHz/ +1 dB, -3 dB (Direct mode)	5 Hz–100 kHz/ +1 dB, -3 dB (Direct mode)	5 Hz–100 kHz/ +1 dB, -3 dB (Direct mode)	5 Hz–100 kHz/ +1 dB, -3 dB (Direct mode)	5 Hz–100 kHz/ +1 dB, -3 dB (DSP bypass)	5 Hz–100 kHz/ +1 dB, -3 dB (DSP bypass)	20 Hz–50 kHz/ +1 dB, -3 dB (DSP bypass)	20 Hz–50 kHz/ +1 dB, -3 dB (DSP bypass)
Tone Control	±10 dB, 50 Hz (Bass) ±10 dB, 20 kHz (Treble)	±10 dB, 50 Hz (Bass) ±10 dB, 20 kHz (Treble)	±10 dB, 50 Hz (Bass) ±10 dB, 20 kHz (Treble)	±10 dB, 50 Hz (Bass) ±10 dB, 20 kHz (Treble)	±10 dB, 50 Hz (Bass) ±10 dB, 20 kHz (Treble)	±10 dB, 50 Hz (Bass) ±10 dB, 20 kHz (Treble)	±10 dB, 50 Hz (Bass) ±10 dB, 20 kHz (Treble)	±10 dB, 50 Hz (Bass) ±10 dB, 20 kHz (Treble)	±10 dB, 50 Hz (Bass) ±10 dB, 20 kHz (Treble)
Signal-to-Noise Ratio	110 dB (Line, IHF-A) 80 dB (Phono, IHF-A)	110 dB (Line, IHF-A) 80 dB (Phono, IHF-A)	110 dB (Line, IHF-A) 80 dB (Phono, IHF-A)	110 dB (Line, IHF-A) 80 dB (Phono, IHF-A)	110 dB (Line, IHF-A) 80 dB (Phono, IHF-A)	106 dB (Line, IHF-A) 80 dB (Phono, IHF-A)	106 dB (Line, IHF-A)	100 dB (Line, IHF-A)	100 dB (Line, IHF-A)
Speaker Impedance	4 Ω–16 Ω or 6 Ω–16 Ω	—	4 Ω–16 Ω or 6 Ω–16 Ω	4 Ω–16 Ω or 6 Ω–16 Ω	4 Ω–16 Ω or 6 Ω–16 Ω	4 Ω–16 Ω or 6 Ω–16 Ω	4 Ω–16 Ω or 6 Ω–16 Ω	6 Ω–16 Ω	6 Ω–16 Ω
VIDEO SECTION									
Input Sensitivity/Output Level and Impedance	1.0 Vp-p/75 Ω (Component and S-Video Y) 0.7 Vp-p/75 Ω (Component PB/CB, PR/CR) 0.28 Vp-p/75 Ω (S-Video C) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component and S-Video Y) 0.7 Vp-p/75 Ω (Component PB/CB, PR/CR) 0.28 Vp-p/75 Ω (S-Video C) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component and S-Video Y) 0.7 Vp-p/75 Ω (Component PB/CB, PR/CR) 0.28 Vp-p/75 Ω (S-Video C) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component and S-Video Y) 0.7 Vp-p/75 Ω (Component PB/CB, PR/CR) 0.25 Vp-p/75 Ω (S-Video C) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component and S-Video Y) 0.7 Vp-p/75 Ω (Component PB/CB, PR/CR) 0.25 Vp-p/75 Ω (S-Video C) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component and S-Video Y) 0.7 Vp-p/75 Ω (Component PB/CB, PR/CR) 0.25 Vp-p/75 Ω (S-Video C) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component PB/CB, PR/CR) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component PB/CB, PR/CR) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component PB/CB, PR/CR) 1.0 Vp-p/75 Ω (Composite)
Component Video Frequency Response	5 Hz–100 MHz (0 dB, -3 dB)	5 Hz–100 MHz (0 dB, -3 dB)	5 Hz–100 MHz (0 dB, -3 dB)	5 Hz–100 MHz (0 dB, -3 dB)	5 Hz–100 MHz (0 dB, -3 dB)	5 Hz–100 MHz (0 dB, -3 dB)	5 Hz–100 MHz (0 dB, -3 dB)	5 Hz–100 MHz (0 dB, -3 dB)	5 Hz–100 MHz (0 dB, -3 dB)
TUNER SECTION									
Tuning Frequency Range	FM 87.5 MHz–108 MHz AM 522 kHz–1,611 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz
Preset Memory	40 stations	40 stations	40 stations	40 stations	40 stations	40 stations	40 stations	40 stations	40 stations
GENERAL									
Power Supply	AC 220–240 V, 50/60 Hz	AC 220–240 V, 50/60 Hz	AC 220–240 V, 50/60 Hz	AC 220–240 V, 50/60 Hz	AC 220–240 V, 50/60 Hz	AC 220–240 V, 50/60 Hz	AC 220–240 V, 50/60 Hz	AC 230 V, 50 Hz	AC 230 V, 50 Hz
Power Consumption	1,160 W	110 W	1,060 W	830 W	710 W	570 W	610 W	370 W	300 W
Dimensions (W x H x D)	435 x 198.5 x 463.5 mm	435 x 198.5 x 453.5 mm	435 x 198.5 x 463.5 mm	435 x 198.5 x 435.5 mm	435 x 198.5 x 435.5 mm	435 x 174 x 379 mm	435 x 173.5 x 328 mm	435 x 173.5 x 328 mm	435 x 150 x 328 mm
Weight	25.0 kg	14.0 kg	25.0 kg	18.5 kg	18.3 kg	12.2 kg	11.3 kg	9.2 kg	7.5 kg

BD/DVD PLAYERS	BD-SP809	BD-SP309
Frequency Range (Digital Audio)		
BD	4 Hz–88 kHz (192 kHz)	4 Hz–88 kHz (192 kHz)
DVD Linear Sound	4 Hz–44 kHz (96 kHz), 4 Hz–22 kHz (48 kHz)	4 Hz–44 kHz (96 kHz), 4 Hz–22 kHz (48 kHz)
Audio CD	4 Hz–20 kHz (44.1 kHz)	4 Hz–20 kHz (44.1 kHz)
S/N Ratio (Digital Audio)	100 dB	—
Audio Dynamic Range (Digital Audio)	98 dB	—
THD (Digital Audio)	0.005% (1 kHz)	—
Wow and Flutter	Below threshold of measurability	Below threshold of measurability
Composite Video Output/ Impedance	1.0 Vp-p/75 Ω	—
Component Video Output/ Impedance	Y: 1.0 Vp-p/75 Ω PB/PR: 0.7 Vp-p/75 Ω	—
Component Video Frequency Response	5 Hz–50 MHz	—
Audio Output/Impedance		
Digital (Optical)	-22.5 dBm	-22.5 dBm
Digital (Coaxial)	0.5 Vp-p/75 Ω	—
Analog Audio	2.0 V (rms)/more than 1 kΩ	—
Power Supply	AC 110–240 V~, 50/60 Hz	AC 100–240 V~, 50/60 Hz
Power Consumption	23 W	17 W
Dimensions (W x H x D)	435 x 104 x 313 mm	435 x 49.5 x 201 mm
Weight	4.7 kg	1.7 kg
Supplied Accessories	Audio/video cable, Remote controller (RC-819DV)	Remote controller (RC-825DV)

9-CHANNEL AMPLIFIER	PA-MC5500
Power Output All Channels	220 W/Ch (6 Ω, 1 kHz, 1 channel driven, IEC)
Dynamic Power	400 W (3 Ω, Front) 300 W (4 Ω, Front) 180 W (8 Ω, Front)
THD (Total Harmonic Distortion)	0.05% (Rated power)
Damping Factor	60 (Front, 1 kHz, 8 Ω)
Input Sensitivity and Impedance	1 V/47 kΩ (Balanced) 2 V/22 kΩ (Unbalanced)
Frequency Response	5 Hz–100 kHz/+1 dB, -3 dB
Signal-to-Noise Ratio	110 dB (Unbalanced, IHF-A)
Speaker Impedance	4 Ω–16 Ω or 6 Ω–16 Ω
Power Supply	AC 220–240 V~, 50/60 Hz
Power Consumption	1,050 W
Dimensions (W x H x D)	435 x 198.5 x 458.5 mm
Weight	23.0 kg

CD PLAYERS	C-7000R	C-7070	C-7030
Frequency Response	2 Hz–20 kHz	2 Hz–20 kHz	4 Hz–20 kHz
Signal-to-Noise Ratio	116 dB	116 dB	107 dB
Dynamic Range	100 dB	100 dB	100 dB
THD (Total Harmonic Distortion)	0.0015%	0.0025%	0.0029%
Power Supply	AC 230 V~, 50 Hz	AC 230 V~, 50 Hz	AC 230 V~, 50 Hz
Power Consumption	18 W	23 W	12 W
Dimensions (W x H x D)	435 x 99 x 315.2 mm	435 x 101 x 306 mm	435 x 101 x 306 mm
Weight	12.0 kg	6.4 kg	5.3 kg

SPECIFICATIONS

Integrated Amplifiers	A-9000R	A-9070
Power Output	140 W/Ch (4 Ω, 20 Hz–20 kHz, 0.05%, 2 channels driven, IEC) 75 W/Ch (8 Ω, 20 Hz–20 kHz, 0.05%, 2 channels driven, IEC)	140 W/Ch (4 Ω, 20 Hz–20 kHz, 0.05%, 2 channels driven, IEC) 75 W/Ch (8 Ω, 20 Hz–20 kHz, 0.05%, 2 channels driven, IEC)
Dynamic Power	450 W (1 Ω), 310 W (2 Ω), 230 W (3 Ω), 180 W (4 Ω), 100 W (8 Ω)	450 W (1 Ω), 310 W (2 Ω), 230 W (3 Ω), 180 W (4 Ω), 100 W (8 Ω)
THD+N (Total Harmonic Distortion + Noise)	0.006% (Half power) 0.03% (1 kHz, 1W Output) 0.008% (20 Hz–20 kHz, Half power) 0.03% (20 Hz–20 kHz, 1W Output)	0.006% (Half power) 0.03% (1 kHz, 1W Output) 0.008% (20 Hz–20 kHz, Half power) 0.03% (20 Hz–20 kHz, 1W Output)
Damping Factor	130 (1 kHz, 8 Ω)	130 (1 kHz, 8 Ω)
Input Sensitivity and Impedance	150 mV/47 kΩ (Line) 2.25 mV/47 kΩ (Phono MM) 0.18 mV/ 100 Ω (Phono MC)	150 mV/47 kΩ (Line) 2.25 mV/47 kΩ (Phono MM) 0.18 mV/ 100 Ω (Phono MC)
Rated RCA Output Level and Impedance	1 V/ 300 Ω (Pre out)	1 V/ 300 Ω (Pre out)
Maximum RCA Output Level and Impedance	5 V/ 300 Ω (Pre out)	5 V/ 300 Ω (Pre out)
Phono Overload	70 mV (MM, 1 kHz, 0.5%) 5.2 mV (MC, 1 kHz, 0.5 %)	70 mV (MM, 1 kHz, 0.5%) 5.2 mV (MC, 1 kHz, 0.5 %)
Frequency Response	10 Hz–100 kHz/+0 dB, -1 dB (1 W, Line) 1 Hz–250 kHz/+0 dB, -3 dB (1 W, 8 Ω)	10 Hz–100 kHz/+0 dB, -1 dB (1 W, Line) 1 Hz–250 kHz/+0 dB, -3 dB (1 W, 8 Ω)
Tone Control	±10 dB, 80 Hz (Bass) ±10 dB, 10 kHz (Treble)	±10 dB, 80 Hz (Bass) ±10 dB, 10 kHz (Treble)
Signal-to-Noise Ratio	107 dB (Line, IHF-A) 60 dB (Phono MM, IHF-A) 70 dB (Phono MC, IHF-A)	107 dB (Line, IHF-A) 60 dB (Phono MM, IHF-A) 70 dB (Phono MC, IHF-A)
Speaker Impedance	4 Ω–16 Ω (A or B) 8 Ω–16 Ω (A + B)	4 Ω–16 Ω (A or B) 8 Ω–16 Ω (A + B)
Power Supply	AC 230 V, 50 Hz	AC 230 V, 50 Hz
Power Consumption	300 W	290 W
Standby Power Consumption	0.2 W	0.2 W
Dimensions (W x H x D)	435 x 175 x 435 mm	435 x 174.5 x 431 mm
Weight	18.5 kg	18.1 kg

Stereo Amplifiers	M-5000R	P-3000R
Power Output (2-ch stereo)	150 W/Ch (4 Ω, 20 Hz–20 kHz, 0.05%, 2 channels driven, IEC) 80 W/Ch (8 Ω, 20 Hz–20 kHz, 0.05%, 2 channels driven, IEC)	—
Power Output (BTL mono)	220 W/Ch (4 Ω, 20 Hz–20 kHz, 0.05%, 1 channel driven, IEC) 180 W/Ch (8 Ω, 20 Hz–20 kHz, 0.05%, 1 channel driven, IEC) 250 W/Ch (4 Ω, 1 kHz, 1%, 1 channel driven, IEC) 200 W/Ch (8 Ω, 1 kHz, 1%, 1 channel driven, IEC)	—
Dynamic Power	460 W (1 Ω), 320 W (2 Ω), 245 W (3 Ω), 196 W (4 Ω), 142 W (6 Ω), 110 W (8 Ω)	—
THD+N (Total Harmonic Distortion + Noise)	0.005% (1 kHz, Half power) 0.02% (20 Hz–20 kHz, Half power)	0.005% (20 Hz–20 kHz, Half power)
Damping Factor	130 (1 kHz, 8 Ω)	—
Input Sensitivity and Impedance	1.4 V/10 kΩ (BTL) 700 mV/10 kΩ (RCA)	200 mV/47 kΩ (Line) 2.7 mV/47 kΩ (Phono MM)
Frequency Response	10 Hz–100 kHz/0 dB, -1 dB (1 W) 1 Hz–250 kHz/-3 dB (1 W/8 Ω)	5 Hz–100 kHz/0 dB, -3 dB (Line)
Signal-to-Noise Ratio	110 dB (RCA, IHF-A)	110 dB (Direct, IHF-A) 80 dB (Phono, MM)
Speaker Impedance	4 Ω–16 Ω 6 Ω–16 Ω (BTL)	—
Power Supply	AC 230 V~, 50 Hz	AC 230 V~, 50 Hz
Power Consumption	280 W	29 W
Dimensions (W x H x D)	435 x 187.5 x 432.5 mm	435 x 99 x 333.1 mm
Weight	23.5 kg	11.0 kg

Mini Systems	CS-1045	CS-V645	CS-545	CS-245
■ RECEIVER SECTION				
AMPLIFIER SECTION				
Power Output	70 W + 70 W (4 Ω, 1 kHz, IEC)	40 W + 40 W (4 Ω, 1 kHz)	40 W + 40 W (4 Ω, 1 kHz, 10%)	15 W + 15 W (6 Ω, 1 kHz)
Dynamic Power	110 W + 110 W (3 Ω) 100 W + 100 W (4 Ω) 60 W + 60 W (8 Ω)	—	—	—
THD (Total Harmonic Distortion)	0.08% (1 kHz, 1 W)	0.05% (1 kHz, 1 W)	0.05% (1 kHz, 1 W)	0.5% (1 kHz, 1 W)
Damping Factor	35 (1 kHz, 8 Ω)	30 (1 kHz, 8 Ω)	40 (1 kHz, 8 Ω)	60 (1 kHz, 8 Ω)
Input Sensitivity and Impedance	115 mV/33 kΩ (Line)	600 mV/47 kΩ (Line)	1000 mV/50 kΩ (Line)	1000 mV/47 kΩ (Line)
Output Level and Impedance	125 mV/2.2 kΩ (Rec Out)	1000 mV/1.5 kΩ (Line Out)	—	—
Phono Overload	85 mV (MM, 1 kHz, 0.5%)	—	—	—
Frequency Response	5 Hz–60 kHz/+1 dB, -3 dB (Line)	20 Hz–20 kHz/+1 dB, -3 dB (Line)	20 Hz–20 kHz/+1 dB, -3 dB (Line)	40 Hz–20 kHz/+0 dB, -3 dB (Line)
Tone Control	±14 dB, 100 Hz (Bass) ±12 dB, 10 kHz (Treble)	±11.5 dB, 80 Hz (Bass) ±10 dB, 10 kHz (Treble) +8.5 dB, 80 Hz (Super bass)	±10 dB, 80 Hz (Bass) ±10 dB, 10 kHz (Treble) +7.5 dB, 80 Hz (Super bass)	±10 dB, 100 Hz (Bass) ±10 dB, 10 kHz (Treble) +4 dB, 80 Hz (Super bass 1) +8 dB, 80 Hz (Super bass 2)
Signal-to-Noise Ratio	100 dB (Line, IHF-A) 75 dB (Phono, IHF-A)	72 dB (Line, IHF-A)	70 dB (Line, IHF-A)	84 dB (Line, IHF-A)
Speaker Impedance	4 Ω–16 Ω	4 Ω–16 Ω	4 Ω–16 Ω	6 Ω–16 Ω
TUNER SECTION				
Tuning Frequency Range				
FM	87.5 MHz–108 MHz	87.5 MHz–108 MHz	87.5 MHz–108 MHz	87.5 MHz–108 MHz
AM	522 kHz–1.611 kHz	—	522 kHz–1.611 kHz	—
GENERAL				
Power Supply	AC 220–240 V~, 50/60 Hz	—	—	—
Power Consumption	65 W	—	—	—
Standby Power Consumption	0.3 W	—	—	—
Dimensions (W x H x D)	275 x 83 x 311 mm	—	—	—
Weight	5.7 kg	—	—	—
■ DVD/CD PLAYER SECTION				
Frequency Response	5 Hz–20 kHz	20 Hz–20 kHz (CD)	20 Hz–20 kHz	—
Signal-to-Noise Ratio	105 dB	80 dB	—	—
Audio Dynamic Range	100 dB	—	80 dB	—
THD (Total Harmonic Distortion)	0.003%	0.25%	0.05%	—
Audio Output/Impedance	Optical Coaxial	— 0.5 Vp-p/50 Ω	— —	— —
Rated RCA Output Level and Impedance	2.0 V (rms)/470 Ω	1.6 V (rms)/3.3 kΩ	—	—
GENERAL				
Power Supply	AC 220–240 V~, 50/60 Hz	AC 220–240 V~, 50/60 Hz	AC 220–230 V~, 50/60 Hz	AC 220–240 V, 50/60 Hz
Power Consumption	9 W	36 W	36 W	30 W
Standby Power Consumption	0.3 W	0.9 W (iPod not connected)	0.3 W (iPod/iPhone not connected)	0.2 W (iPod/iPhone not connected)
Dimensions (W x H x D)	275 x 83 x 282 mm	215 x 108 x 348 mm	215 x 98 x 334 mm	205 x 100 x 270 mm
Weight	3.4 kg	4.4 kg	4.2 kg	2.4 kg
■ SPEAKER SECTION				
Speaker Type	2-way, bass reflex	2-way, bass reflex	2-way, bass reflex	2-way, bass reflex
Drivers	Woofer Tweeter	12 cm OMF diaphragm 2.5 cm soft-dome	12 cm OMF diaphragm 2.5 cm soft-dome	10 cm cone 2.0 cm balanced-dome
Frequency Response	55 Hz–35 kHz	55 Hz–35 kHz	55 Hz–35 kHz	55 Hz–50 kHz
Crossover Frequency	3 kHz	3 kHz	3 kHz	4.5 kHz
Output Sound Pressure Level	85 dB/W/m	85 dB/W/m	85 dB/W/m	82 dB/W/m
Max. Input Power	80 W	70 W	70 W	30 W
Nominal Impedance	4 Ω	4 Ω	4 Ω	6 Ω
GENERAL				
Dimensions (W x H x D)	170 x 283 x 230 mm	150 x 250 x 229 mm	150 x 250 x 229 mm	130 x 210 x 172 mm
Weight	3.7 kg	3.2 kg	3.2 kg	1.6 kg

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